

Hr.	Min.	Seconds				Steam plume (check if applicable)		Comments
		0	15	30	45	Attached	Detached	
	31							
	32							
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3.3.2.3 Angle of View. Check construction geometry to ensure that the total angle of view of the smoke plume, as seen by the photocell, does not exceed 15°. The total angle of view may be calculated from:  $\theta = 2 \tan^{-1} d/2L$ , where  $\theta$ =total angle of view;  $d$ =the sum of the photocell diameter+the diameter of the limiting aperture; and  $L$ =the distance from the photocell to the limiting aperture. The limiting aperture is the point in the path between the photocell and the smoke plume

where the angle of view is most restricted. In smoke generator smoke meters this is normally an orifice plate.

3.3.2.4 Angle of Projection. Check construction geometry to ensure that the total angle of projection of the lamp on the smoke plume does not exceed 15°. The total angle of projection may be calculated from:  $\theta = 2 \tan^{-1} d/2L$ , where  $\theta$ = total angle of projection;  $d$ = the sum of the length of the lamp